

REMARKS

This is a full and timely response to the non-final Office Action mailed September 21, 2006. Upon entry of the amendments in this response, claims 3 – 24 are pending. In particular, Applicants have amended claims 3, 5 – 6, 15, and 17 – 18 and have added claims 23 – 24. Reconsideration and allowance of the application and presently pending claims are respectfully requested.

I. Indication of Allowable Subject Matter

Applicants appreciate the Examiner's indication that claims 11 and 13 – 14 have been allowed. No amendments have been made to these claims. Accordingly, Applicants submit that claims 11 and 13 – 14 remain in condition for allowance.

II. Objections to the Claims

The Office Action alleges that claims 6 and 18 are objected to as being of improper dependent form for failing to further limit the subject matter of a previous claim. Specifically, at pg. 2, the Office Action alleges that claims 6 and 18 include the feature that "the mixed ohmic and inductive load at the place of the variable load is the variable load itself", but that "claims 3 and 15 recite in the preamble the limitation that the load is the variable load." Although Applicants submit that the second constant C_L can be determined by using the variable load as the mixed ohmic and inductive load in the steps of claim 5, Applicants have amended claims 6 and 18 to remove the language believed to be non-limiting. Accordingly, Applicants submit that the objection should be withdrawn.

III. Claims 3 – 10, 12 and 15 - 22 Comply with 35 U.S.C. §112, First Paragraph

The Office Action rejects claims 3 – 10, 12 and 15 – 22 under 35 U.S.C. §112, first paragraph, as allegedly failing to comply with the enablement requirement.

Independent Claims 3 and 15

As to claims 3 and 15, the Office Action indicates that “One of ordinary skill in the art could not make or use the system or method because if an ohmic, nonvariable load is used, then the method and system provide the constant AC voltage to the ohmic load, not the variable load.” (Office Action, pg. 3).

Applicants have amended claim 3 to more precisely indicate that the “measuring” and “determining” steps of claim 3 occur before the “varying” step. In the same respect, claim 3 now recites that “once the constant C_R has been determined, connecting the variable load instead of the ohmic load via the supply line to the AC voltage source.”

Likewise, Applicants have amended claim 15 to more precisely include “means for varying, once an ohmic load is connected instead of the variable load via the supply line to the AC voltage source”.

Accordingly, Applicants submit that independent claims 3 and 15 comply with 35 U.S.C. §112, first paragraph. Likewise, dependent claims 4 – 10, 12, and 16 – 22 comply with 35 U.S.C. §112, first paragraph for at least the same reasons.

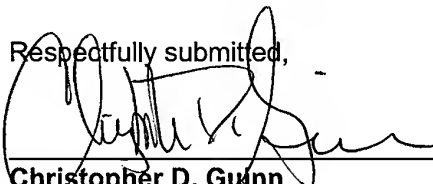
Dependent Claims 6 and 18

Similar to the claim objections to claims 6 and 18 addressed above, the Office Action indicates that claims 6 and 18 imply that “the mixed ohmic and inductive load is not the variable load.” Applicants have made substantial amendments to claims 6 and 18 to clarify the claim language. Accordingly, Applicants submit that the rejection should be withdrawn for at least these reasons.

CONCLUSION

The Applicant respectfully submits that all claims are now in condition for allowance, and requests that the Examiner pass this application to issuance. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (770) 933-9500.

No fee is believed to be due in connection with this response. If, however, any fee is deemed to be payable, you are hereby authorized to charge any such fee to Deposit Account No. 20-0778.

Respectfully submitted,


Christopher D. Gunn
Reg. No. 54,142

THOMAS, KAYDEN,
HORSTEMEYER & RISLEY, L.L.P.
Suite 1750
100 Galleria Parkway N.W.
Atlanta, Georgia 30339
(770) 933-9500